

Polypropylene consumer goods and rigid packaging

Properties	Physical		Mechanical						Thermal		Optical		Special Additives	Properties
	Density	MFR 230°C, 2,16kg	Tensile Modulus	Tensile Stress at Yield	Tensile Elong. at Yield	Charpy notched impact strength			Heat deflection temp. HDT/B	Vicat softening temp. 10N	Haze 1mm	Gloss 60°		
	23°C					23 °C	0 °C	-20 °C						
Test Method	ISO 1183	ISO 1133	ISO 527	ISO 527	ISO 527	ISO 179			ISO 306/A50	ISO 75-2	ASTM D1003	ISO 67530		
Units	g/cm³	g/10 min	MPa	MPa	%	kJ/m²			°C	°C	%			
PP Homopolymer														
Moplen HP548L	0.9	5.5	1600	36	9	5.5	-	-	90	154	50	107	NU, AS	Easy processability and good stiffness. General purpose molding, housewares, consumer goods, closures
Moplen HP501M	0.9	7.5	1350	34	9	5.0	-	-	85	154	-	-	-	Easy processability and good stiffness. General purpose molding, garden furnitures, housewares
Moplen HP548N	0.9	11	1800	36	9	4.0	-	-	105	154	-	-	NU, AS	Easy processability and very good stiffnesss. Housewares, containers, closures
Moplen HP500N	0.9	12	1400	35	10	4.0	-	-	95	153	-	-	-	Easy processability and good stiffness. General purpose molding, garden furnitures, housewares
Moplen HP400R	0.9	25	1350	32	10	3.0	-	-	90	154	-	-	-	High fluidity with good stiffness. General purpose molding, garden furnitures, housewares
Moplen HP548R	0.9	23	1600	35	8	2.7	-	-	95	154	-	-	NU, AS	High fluidity with good stiffness, UL listed. Garden furnitures, housewares, containers and closures
Adstif HA840R	0.9	20	2300	41	6	2.0	-	-	124	158	-	95	NU	High fluidity with outstanding stiffness & gloss. Garden furnitures, housewares, containers, appliances
Moplen HP648T	0.9	53	1600	35	8	2.0	-	-	95	154	60	90	NU, AS	High fluidity with very good stiffness. Garden furnitures, housewares and containers
Metocene HM648T	0.9	60	1640	35	8	3.4	-	-	100	141	11	121	NU, AS	Exceptional stiffness, clarity & heat resistance. Housewares, TWIM containers, reusable containers
PP Random Copolymer														
Moplen RP340N	0.9	11	1150	30	14	6.0	-	-	76	130	9	135	NU, AS	High transparency, gloss and organoleptics. ISBM items, housewares, closures, clear containers
Moplen RP348R	0.9	25	1150	30	11	6.0	2	-	80	130	9	135	NU, AS	High transparency, gloss and easier processability. Housewares, clear containers, closures, toys, sports & leisure
Moplen RP248R	0.9	30	900	22	10	6.5	2.5	-	60	120	10		NU, AS	Excellent transparency, good impact strength. Houseware, clear containers, and toys, sports & leisure
Moplen RP398T	0.9	40	1100	28	14	5.0	2.5	-	70	127	9	135	NU, AS	Excellent transparency, gloss, and organoleptics. Housewares, transparent containers, toys, sports & leisure
Moplen RP348T HP	0.9	48	1100	29	13	4.5	2.5	-	70	130	9		NU, AS	Excellent transparency, gloss, and processability. Housewares, transparent containers, toys, sports & leisure
Moplen RP248U	0.9	60	910	25	14	5.9	2.5	-	69	125	11		NU, AS	Excellent processability, transparency and gloss. TWIM containers, storage box, housewares
Moplen RP398U	0.9	71	1100	30	14	5.0	1.5	-	70	130	11	130	NU, AS	Excellent processability, transparency and organoleptics. Transparent containers, storage box, housewares
Moplen RP348U	0.9	75	1100	28	13	4.5	1.5	-	80	130	11	127	NU, AS	Excellent processability, transparency and gloss. Transparent containers, storage box, housewares
Moplen RP398V Plus	0.9	100	1050	26	14	5.0	2.5	-	70	127	10		NU, AS	Excellent processability, transparency and gloss. TWIM containers, storage box, housewares

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PP Hetrophasic Copolymer														
Moplen EP440G	0.9	1.3	1450	27	8	40	10	7	78	150	Opaque	-	NU	Excellent stiffness impact strength, creep resistance. Luggage, toys, sports, leisure, crates
Moplen EP400H	0.9	2	1300	27	8	30	10	7	78	153	Opaque	-	-	Excellent mechanical properties. Luggage, toys, sports, leisure, crates
Moplen EP240H	0.9	2	1000	23	8	80	12	8	75	148	Opaque	-	NU	Excellent balance of stiffness impact strength, Low temperature impact. Crates
Moplen EP340K	0.9	4	1100	20	5	66	13	7	85	140	Opaque	-	NU	Excellent stiffness impact strength. Luggage, toys, sports, leisure, crates
Moplen EP300K	0.9	4	1200	27	9	13	6	4.5	75	150	Opaque	-	-	Excellent stiffness impact strength, creep resistance. Luggage, toys, sports, leisure, crates
Moplen EP340M	0.9	7.5	1050	21	6	45	9	7	80	144	Opaque	-	NU	Medium fluidity, excellent low temperature impact strength, UL listed. Housewares, toys, luggage, cold storage crates
Moplen EP540N	0.9	12	1400	27	5	8.5	5	4	100	151	Opaque	-	NU	Medium fluidity, good mechanical properties. Houseware, toys, garden furniture, crates
Moplen EP549P	0.9	15	1450	26	7	9.0	6.5	5.5	103	151	Opaque	-	NU, AS	Medium fluidity, good mechanical properties. Houseware, garden furniture, crates, appliances
Moplen EP240P	0.9	15	950	20	7	20	9	5	78	142	Opaque	-	NU	Medium fluidity, superior low temperature impact strength. Houseware, crates, opaque containers
Moplen EP540P	0.9	15	1300	28	6	7.0	4.5	3	90	151	Opaque	-	NU	Medium fluidity, good balance of stiffness impact. Housewares, luggage, opaque containers
Moplen EP548P	0.9	16	1450	28	7	8.0	6	3	100	147	Opaque	-	NU, AS	Medium fluidity, good balance of stiffness impact. Housewares, luggage, opaque containers
Adstif EA648P	0.9	18	1750	32	5	6.5	3.0	2.5	100	153	Opaque	70	NU, AS	Excellent stiffnes impact balance, good gloss. UL listed. Furniture, electrical appliances
Moplen EP548R	0.9	21	1500	27	5	6.0	4.5	4	-	150	Opaque	-	NU, AS	Medium fluidity, good balance of stiffness impact. Housewares, garden furniture, opaque containers, toys
Moplen EP249R	0.9	25	950	24	4	20	10	8	92	150	Opaque	65	NU, AS	Medium fluidity, good low temperature impact strength. Crates, housewares, opaque containers
Moplen EP448S	0.9	44	1400	27	5	6.0	4.0	3	100	150	Opaque	-	NU, AS	Easier processability, good stiffness impact balance. TWIM containers, housewares, toys
Moplen EP548S	0.9	44	1550	28	5	5.0	3.5	3	95	151	Opaque	-	NU, AS	Easier processability, good stiffness impact balance. TWIM containers for food packaging, housewares, toys
Moplen EP240T	0.9	48	950	19	5	10	7.0	4	78	142	Opaque	-	NU	Easier processability, good low temperature impact strength. UL listed. Housewares, opaque containers, toys
Moplen EP448T	0.9	48	1250	27	5	5.0	3.5	2.5	90	151	Opaque	-	NU, AS	Easier processability, good stiffness impact balance. TWIM containers, Housewares, opaque containers, toys
Moplen EP548T	0.9	48	1350	29	5	4.0	2.5	2	98	152	Opaque	-	NU, AS	Easier processability, good stiffness impact balance. TWIM containers, housewares, margarine tubs
Moplen EP348U	0.9	70	1200	24	4	5.5	4.0	2	92	150	Opaque	-	NU, AS	Easier processability, good impact strength. TWIM containers, housewares, toys
Moplen EP548U	0.9	70	1450	28	5	4.0	3.5	3	95	151	Opaque	-	NU, AS	Easier processability, good stiffness impact balance. TWIM containers, housewares, toys
Moplen EP549U	0.9	70	1260	23	4	9.0	6.0	5	98	147	Opaque	-	NU, AS	Easier processability, excellent impact strength at low temperature. TWIM containers, housewares, dairy products packaging
Moplen EP548V	0.9	100	1450	28	5	4.0	2.5	2	90	152	Opaque	-	NU, AS	High melt fluidity, excellent stiffness impact balance. TWIM containers, housewares
Moplen EP648V	0.9	100	1600	30	4	3.5	2.0	1.5	100	154	Opaque	-	NU, AS	Designed for high speed Injection molding, organoleptics, excellent stiffness. TWIM containers, housewares

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Specialties Hetrophasic copolymer

<i>Clyrell</i> EC348P	0.9	14	1200	28	13	5	3	1	75	128	15	126	NU, AS	Excellent transparency, high gloss, good stiffness impact balance. Shock resistant containers, housewares, closures
<i>Clyrell</i> EC340Q	0.9	20	1150	23	13	22	5.5	4	88	127	38	103	NU, AS	Excellent impact, transparency, low stress whitening and low shrinkage. Toys, food packaging containers, consumer goods
<i>Clyrell</i> EC340R	0.9	26	1100	23	12	7	3.5	2	90	123	32	100	NU, AS	Excellent Transparency, good stiffness impact balance, low stress whitening. Clear impact container, toys, housewares
<i>Clyrell</i> EC390T	0.9	45	1150	23	13	5	4	3	41	80	30	112	NU, AS	Excellent Transparency, good stiffness impact balance, low stress whitening. Clear impact food container, housewares

Specialties Modifiers

<i>Adflex</i> X500F	0.9	7.5	550	14	20	65	79	45	58	94	23	110	-	High transparency, low shrinkage with good gloss and impact behavior at low temperature.
<i>Adflex</i> X100G	0.9	8	80	6	>40	NB	NB	105	40	56	Opaque	-	-	Good processability, improve flexibility, low temperature impact strength. Containers, housewares
<i>Adflex</i> C200F	0.9	6	200	8	30	NB	80	65	40	80	48	-	-	Impact modifier for transparent application. Food containers, housewares, consumer goods
<i>Adflex</i> Z101H	0.9	27	80	5	45	NB	NB	100	38	53	Opaque	-	-	High flow impact modifier for sub-zero impact, excellent bonding with PP in overmolding. Containers, housewares

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Users should review the applicable Material Safety Data Sheet before handling the product.

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