

Hifax EP5175, EP5091, EP555T

Anti tiger stripe solution

Hifax EP5175, EP5091, EP555T are good solution to tiger stripe in large molding parts of automotive, E&E and have a good stiffness and impact balance.



Properties	Test method (ASTM)	Unit	Hifax EP5175	Hifax EP5091	Hifax EP555T
MFR	D1238L	g/10min	10	30	60
Tensile strength @Y	D638	kg/cm ²	220	270	280
Elongation @Y	D638	%	10	7	6
Flexural modulus	D790	kg/cm ²	9,000	12,000	14,000
NIZOD 3.2T @23°C	D256	kg.cm/cm	NB	7	6
NIZOD 3.2T @-20°C	D256	kg.cm/cm	4	2	2
Rockwell hardness	D785	R scale	80	100	110
HDT	D648	°C	100	120	125

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Hifax EP140R, EP150S, EP5077

Reactor made TPO for high impact strength

Hifax EP140R, EP150S and EP5077 are reactor made TPO, without chemical vis-breaking. These grades offer outstanding impact at both room and low temperature, cost saving by POE reduction in automotive interior & exterior such as bumper, side sill molding and door trim.



Properties	Test method (ASTM)	Unit	Hifax EP140R	Hifax EP150S	Hifax EP5077
MFR	D1238L	g/10min	20	30	40
Tensile strength @Y	D638	kg/cm ²	140	140	180
Elongation @Y	D638	%	7	7	6
Flexural modulus	D790	kg/cm ²	6,500	6,500	7,500
N-IZOD 3.2T @23°C	D256	kg.cm/cm	NB	NB	NB
N-IZOD 3.2T @-20°C	D256	kg.cm/cm	20	18	12

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Hifax EP246P

Hifax EP246P can be applied to other application which general PP couldn't approach due to shrinkage value



Hifax EP246P has excellent low shrinkage and high Gloss properties. So, it provides cost-saving opportunity by replacing ABS/PS which is used for interior/exterior of eco friendly premium vehicle like EV car besides electric/electronic products.

Properties	Test method (ASTM)	Unit	Hifax EP246P
MFR	D1238L	g/10min	20
Tensile strength @Y	D638	kg/cm ²	200
Elongation @Y	D638	%	9
Flexural modulus	D790	kg/cm ²	10,000
NIZOD 3.2T @23°C	D256	Kg cm/cm	40
HDT	D648	°C	100
Shrinkage	D955	%	9

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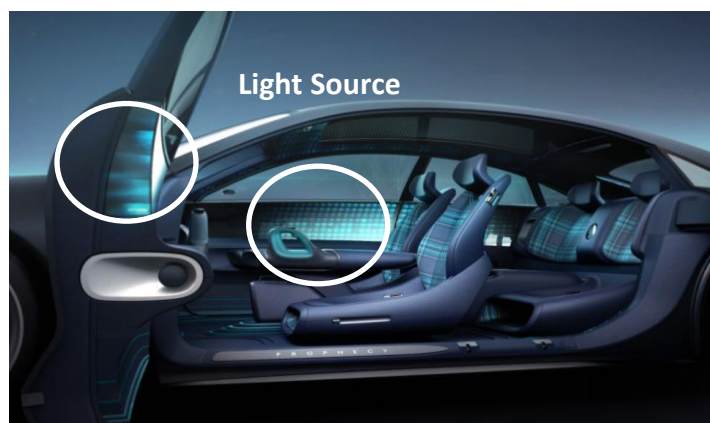
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Metocene HM840N

High transparent polypropylene for Auto-compound

Metocene HM840N is used as a building block for transparent parts in automotive compounding for EV cars, and **Metocene HM840N** is produced using a metallocene catalyst, so has a low level of oligomers and volatile organic compounds.



Metocene HM840N is a very transparent resin, metallocene-based, homopolymer used for Automotive compounding. **Metocene HM840N** also has good stiffness and gloss, so it is used for LED beam housing in automotive door trim, console parts.

Properties	Test method (ASTM)	Metocene HM840N
MFR (g/10min)	D1238L	12
Tensile strength @Y (kg/cm ²)	D638	400
Elongation @Y (%)	D638	6
Flexural modulus (kg/cm ²)	D790	21,500
NIZOD 3.2T @23°C (Kg cm/cm)	D256	2.5
Gloss (%)	D523	120
Haze (1T) (%)	D1003	4

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Metocene HM2015

High fluidity homopolymer used for melt flow modification in compounding

The high-flow resins enable very good wetting of fillers and pigments.

Metocene HM2015 provides a better compatibility than general resin and results a good balance of mechanical properties.



Metocene HM2015 is mainly used as a flow modifier for compounding application and glass fiber compound for good compatibilizer. It also has low level of oligomer and volatile organic compounds.

Properties	Test method (ASTM)	Unit	Metocene HM2015
MFR	D1238L	g/10min	140
Tensile strength @Y	D638	kg/cm ²	340
Flexural modulus	D790	kg/cm ²	13,500
NIZOD 3.2T @23°C	D256	Kg cm/cm	2
C-mission(VOC)	VDA277 (VW PV3341)	µgC/g	1/1/1

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