

LyondellBasell Hifax™ CB235 Thermoplastic Olefin Resin

Category : Polymer , Thermoplastic

Material Notes:

Key Features: medium high melt flow, medium high modulus, paintable thermoplastic olefin resin, excellent impact and stiffness balance, good dimensional stability, excellent processability, good paintability

Applications: automotive claddings and rocker panels, appliques, filler panels

Description: Hifax CB235 medium melt flow, paintable, mineral-filled thermoplastic olefin resin has an excellent combination of impact rigidity and processability. It was designed primarily for automotive exterior ornamentation applications.

Information provided by Montell Polyolefins. LyondellBasell is the successor company to Montell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hifax-CB235-Thermoplastic-Olefin-Resin.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in³	ASTM D792
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	Tool, Montell
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ASTM D2240
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	0.960 GPa	139 ksi	Tangent at 0.05 in/min; ASTM D790A
Gardner Impact	28.0 J @Temperature -30.0 °C	20.7 ft-lb @Temperature -22.0 °F	ASTM D3029
Impact Test	23.0 J @Temperature -30.0 °C	17.0 ft-lb @Temperature -22.0 °F	Dynatup Impact, E at Max Load, Ductile; ASTM D3763
Tear Strength	110 kN/m	628 pli	ASTM D624

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