

Dow INSPIRE™ D560.00 Developmental Performance Polymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

D 560.00 Performance Polymer has consistent processability, high gloss, good regrind stability, and contains U.V. stabilizers for increased weatherability. D 560.00 Performance Polymer is intended for use in extrusion blow molding, sheet extrusion, and thermoforming processes where enhanced clarity and weatherability is desired. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-INSPIRE-D56000-Developmental-Performance-Polymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Flow	1.9 g/10 min @Temperature 230 °C	1.9 g/10 min @Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.3 MPa	4100 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.07 GPa	155 ksi	1% Secant; ASTM D790A
Izod Impact, Notched	2.94 J/cm	5.50 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	86.1 °C	187 °F	unannealed; ASTM D648

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