

Huntsman PE2051 Injection Molding Polyethylene (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

Homopolymer and FDA compliant. Features: Very good molding processability, produces parts with good stiffness, and shows excellent flatness in large projected areas. Also recommended for multi-cavity, fast cycle products, and low melt temperature. Applications: Injection molding: housewares, industrial parts, and general purpose molding where improved gloss and stiffness is required. FDA Notes: Conforms to FDA regulation 21 CFR 177.1520 (c)2.2 under condition of use B through H described in Table 2 of 21 CFR 176.170. Information provided by Huntsman Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-PE2051-Injection-Molding-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	ASTM D1505
Melt Flow	21 g/10 min	21 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	51	51	ASTM D2240
Tensile Strength, Ultimate	9.00 MPa	1310 psi	ASTM D638
Tensile Strength, Yield	12.0 MPa	1740 psi	ASTM D638
Elongation at Break	75 %	75 %	ASTM D638
Modulus of Elasticity	0.449 GPa	65.1 ksi	Secant; ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	100 °C	212 °F	ASTM D1525

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