

## Braskem IP2418 LDPE Injection Molding Polyethylene

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

### Material Notes:

IP2418 is a low-density polyethylene with good processability and high fluidity, flexibility, and mechanical strength. It does not contain additives. Its applications include injection molding and blends with EVA for foams.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-IP2418-LDPE-Injection-Molding-Polyethylene.php](http://www.lookpolymers.com/polymer_Braskem-IP2418-LDPE-Injection-Molding-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in <sup>3</sup>	ASTM-D792
ESCR 10% Igepal®	1.0 hour @Thickness 2.00 mm, Temperature 50.0 °C	1.0 hour @Thickness 0.0787 in, Temperature 122 °F	0.3 mm notched-plaques; ASTM-D1693
Melt Flow	24 g/10 min @Load 2.16 kg, Temperature 190 °C	24 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	49	49	ASTM-D2240
Tensile Strength at Break	8.00 MPa	1160 psi	ASTM-D638
Tensile Strength, Yield	9.00 MPa	1310 psi	ASTM-D638
Elongation at Break	160 %	160 %	ASTM-D638
Modulus of Rigidity	0.320 GPa	46.4 ksi	ASTM-D747
Flexural Modulus, 1% Secant	300 MPa	43500 psi	ASTM-D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	82.0 °C @Load 1.02 kg	180 °F @Load 2.25 lb	ASTM-D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM-D746

Descriptive Properties	Value	Comments
Temperature Profile (°C)	100-150	Blends with EVA
	120-180	Injection Molding

## **Contact Songhan Plastic Technology Co.,Ltd.**

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