

## Technical Data Sheet

### XEP3758



Polypropylene, Impact Copolymer

#### Product Description

XEP3758 fully formulated impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers excellent cold temperature impact resistance and stiffness/impact balance.

#### Regulatory Status

For regulatory compliance information, see XEP3758 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS). To obtain copies of these documents, please contact your LyondellBasell product safety representative.

<b>Application</b>	Caps & Closures; Containers; Crates
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Contains High Antistat; Good Mold Release; Low Temperature Impact Resistance; Nucleated

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (230 °C/2.16 kg)	18	g/10 min	18	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm <sup>3</sup>	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	170000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1170	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3300	psi			ASTM D638
(50 mm/min)			23	MPa	ASTM D638
Tensile Elongation at Yield	5	%	5	%	ASTM D638
<b>Impact</b>					
Notched Izod Impact Strength					
(73 °F, Method A)	3.2	ft-lb/in			ASTM D256
(23 °C, Method A)			170	J/m	ASTM D256
<b>Thermal</b>					
Deflection Temperature Under Load					
(66 psi, Unannealed)	221	°F			ASTM D648
(0.45 MPa, Unannealed)			105	°C	ASTM D648