Beta (ß)-PP™ BE60-7032-02

Polypropylene Homopolymer

Borealis AG

Message:

BE60-7032-02 is a high molecular weight, low melt flow rate polypropylene homopolymer with fine grained ß-modification crystalline structure leading to excellent impact strength even at low temperatures, increased hydrostatic strength and improved chemical resistance.
The material is coloured grey based on RAL 7032.
BE60-7032-02 is recommended for pressure pipes and fittings, chemical engineering components, extruded and compression moulded sheets, filter plates and solid rods.
BE60-7032-02 has improved sagging properties compared to Beta (ß)-PP™ BE60-7032.

General Information	
Features	High molecular weight Impact resistance, good Recyclable materials Low liquidity Low temperature impact resistance Good chemical resistance
Uses	Bar Industrial application Piping system Accessories Sheet
Appearance	Grey
Processing Method	Pipeline extrusion molding Sheet extrusion molding Compression molding

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/5.0 kg	0.50	g/10 min	ISO 1133
230°C/2.16 kg	0.30	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1300	MPa	ISO 527-2/1
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	5.0	kJ/m²	ISO 179/1eA

23°C	50	kJ/m²	ISO 179/1eA

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	96.0	°C	ISO 75-2/A
Vicat Softening Temperature	92.0	°C	ISO 306/B50

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	190 - 230	°C
Cylinder Zone 2 Temp.	190 - 230	°C
Cylinder Zone 3 Temp.	190 - 230	°C
Cylinder Zone 4 Temp.	190 - 230	°C
Cylinder Zone 5 Temp.	190 - 230	°C
Melt Temperature	200 - 230	°C
Die Temperature	200 - 230	°C

Extrusion instructions

Head Temperature: 200 to 230°C

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China