Technical Data Sheet

Softell CA 02 A

Catalloy

Product Description

Softell CA 02 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell`s proprietary Catalloy process technology. It is primarily used for the extrusion, calendering and extrusion blow molding of very soft film and sheet. *Softell* CA 02 A exhibits outstanding low stiffness, excellent low hardness and very good impact resistance. *Softell* CA 02 A shows high compatibility to fillers and flame retardant additives as well as to other polyolefins. The grade is available in natural pellet form.

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Automotive Flooring; Interior Automotive Applications; Polymer Modifier; Single Ply Roofing; Soft Profile & Sheets; Soft Touch Applications; TPO Foils and Skins
Market	Automotive; Industrial, Building & Construction
Processing Method	Calendaring; Compounding; Extrusion Coating; Sheet
Attribute	Good Flexibility; Good Processability; High Filler Loading Capability; High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.6	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.88	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	30	MPa	ISO 178
Tensile Stress at Break	10	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	No Break	kJ/m²	ISO 179
(-20 °C)	No Break	kJ/m²	ISO 179
(-40 °C)	9	kJ/m²	ISO 179
Hardness			
Shore Hardness, (Shore A)	75		ISO 868
Thermal			
Vicat Softening Temperature, (A/10 N)	41	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	38	°C	ISO 75B-1, -2
DSC Melting Point	142	°C	DSC