



Softell CA 02 A

Advanced Polyolefin

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. For regulatory compliance information see Softell CA 02 A Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS), which can be found on www.polymers.lyondellbasell.com.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Extrusion Compounding, Extrusion Flat-die, Extrusion Wire, Calendering
Features	High ESCR (Environmental Stress Cracking Resistance), Good Flexibility, Low Hardness , Medium Heat Resistance , Good Impact Resistance
Typical Customer Applications	Other Industrial, Panels & Profiles, Polymer modifier, Roofing Underlayment, Sealants, Single Ply Roofing, Soft Touch Applications, TPO Foils and Skins, Wire & Cable

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.87	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	0.6	g/10 min
Mechanical			
Tensile Stress at Break	ISO 527-1, -2	10	MPa
Tensile Strain at Break	ISO 527-1, -2	>500	%
Flexural modulus	ISO 178	20	MPa
Hardness			
Shore hardness (Shore A)	ISO 868	75	
Thermal			
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	41	°C
Melting temperature	DSC	141	°C
Note: ISO 11357-3			

Notes

Typical properties; not to be construed as specifications.