

# Softell CA 02 A

Polyolefin  
LyondellBasell Industries

Message:

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.

General Information			
Features	Good Flexibility		
	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
	Low Hardness		
	Medium Heat Resistance		
	Soft		
Uses	Construction Applications		
	Film		
	Industrial Applications		
	Plastics Modification		
	Profiles		
	Reinforced Panels		
	Sealants		
	Sheet		
Processing Method	Wire & Cable Applications		
Appearance	Natural Color		
Forms	Pellets		
Physical	Calendering		
	Compounding		
	Extrusion		
	Extrusion Blow Molding		
	Wire & Cable Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.870	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	75		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	10.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 500	%	ISO 527-2
Flexural Modulus	20.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	41.0	°C	ISO 306/A50
Melting Temperature	141	°C	ISO 11357-3

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#### Recommended distributors for this material

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