

ICORENE® 1505 BLACK 9001

Crosslinked Polyethylene
ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE® 1505 Black 9001 is a crosslinkable black high density polyethylene specifically developed for rotational moulding. This grade is particularly suitable for use in applications requiring exceptional impact resistance at low temperature, toughness and excellent ESCR such as fuel tanks. The original cross linking system used allows a perfect moulding of the part free of pinholes. ICORENE® 1505 Black 9001 can also be used in double layer structures with ICORENE® 9005 Nylon 12.

General Information			
Additive	UV Stabilizer		
Features	Crosslinkable		
	Good Processability		
	Good UV Resistance		
	High Impact Resistance		
Uses	Industrial Containers		
Appearance	Black		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.943	g/cm ³	ASTM D1505
Environmental Stress-Cracking Resistance ¹ (50°C)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.0	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance (-40°C)	320	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	43.0	°C	ASTM D648
NOTE			
1.	10% IGEPAL		

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