

## Technical Data Sheet

### *Icorene* 1506 NAT 0000

Polyethylene, Crosslinked

#### Product Description

*Icorene* 1506 is a crosslinkable 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 cross linking system used allows a wider processing windows and higher PIAT can be reached.

Processing Method	Rotomolding
Attribute	Crosslinkable; Good Processability; High Impact Resistance; UV Resistant
Forms	Powder
Appearance	Natural Color; Unspecified Color
Additive	UV Stabilizer
Application	Fuel Tanks; Industrial Containers

Typical Properties	Nominal Value	Units	Test Method
<b>Mechanical</b>			
Tensile Strength at Yield	20	MPa	ASTM D638
Environmental Stress Crack Resistance, (10% Igepal, 50 °C)	>1000	hr	ASTM D1693
Flexural Modulus	750	MPa	ASTM D790
Tensile Elongation at Break	800	%	ASTM D638
<b>Impact</b>			
Drop Impact Resistance, (-40 °C)	320	J/cm	ASTM D4226
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (1.80 MPa)	43.0	°C	ASTM D648