

# ICORENE® 3590 AS

Linear Low Density Polyethylene

A. Schulman Europe

## Message:

ICORENE® 3590 AS is a linear low density polyethylene with antistatic additives specifically developed for rotational moulding.

ICORENE® 3590 AS is a very fast processing material suitable for use in many different applications. It has a good balance of properties such as toughness, easy flow and stiffness.

General Information			
Additive	Antistatic property UV stabilizer		
Features	Rigid, good Good UV resistance Workability, good Good formability Good liquidity Good toughness General		
Uses	General		
Appearance	Unspecified Color Natural color		
Forms	Powder		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	17.0	MPa	ISO 527
Flexural Modulus	550	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance <sup>1</sup> (-20°C)	160	J/cm	Internal method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	113	°C	ISO 306/A
Melting Temperature	126	°C	DSC

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10	ohms	ASTM D257
NOTE			
1.	Based on ISO 6603		

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