# **ICORENE® 9035**

### Linear Medium Density Polyethylene

ICO Polymers APAC, A Division of A. Schulman

#### Message:

ICORENE<sup>™</sup> 9035 is a linear medium density polyethylene which exhibits a good balance of moulding and mechanical performance. This grade is suited to general purpose industrial parts while offering more rigidity compared with ICORENE<sup>™</sup> 9048. ICORENE<sup>™</sup> 9035 contains a fully formulated UV stabilisation package (with a minimum UV8 rating).

The base resin in ICORENE<sup>™</sup> 9035 is suitable for food contact applications, including conformance to FDA 21CFR177.1520 and EU Commission Directive 202/72/EC. For detailed information on compliance to specific standards please contact your account manager.

ICORENE™ 9035 is available in a range of standard colours or as custom colours on request.

AdditiveUstabilizeFaturesGeneratorosGod ProcesabilityGod ProcesabilityGod TougnessGod TougnessGod TougnessGod TougnessGod Out VesistanceHigh ESC (Stress Crack Resist)UsesFornia<	General Information			
God Processibility   God Surface Finish   God Out Resistance   High ESCR (Stress Crack Resist)   Version   Konsiners   Purus   Rout Strate Finish   Industrial Containers   Porting Gods   Foreign Gods   Tanks   Porting Gods   Foreign God	Additive	UV Stabilizer		
God Surface Finish   God Toughness   God OU Resistance   High ESCR (Stress Crack Resist)   Verse   Containers   Drums   Industrial Containers   Sporting Goods   Tanka   Sporting Goods   Tanka   Sporting Goods   Forms   Apperance   Colos Available   Forms   Powder   Processing Method   Damin Value   Pastance (MFR) (190°/C216)   Solos Available   Fring   Powder   Processing Method   Density Normal Mateine   Mass-Flow Nate (MFR) (190°/C216)   Solos Available   Fring Solon Available   Fring Solon Moding   Physical Normal Value   Mass-Flow Nate (MFR) (190°/C216) Solon Solon   Solon Solon Solon Solon   Formental Stress-Cracking Resister Solon Solon   Solon Solon Normal Value Normal Value   Machanical Normal Value Solon Solon </td <td>Features</td> <td>General Purpose</td> <td></td> <td></td>	Features	General Purpose		
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Tensile Elongation 2 (Break)> 700%ASTM D638	Mechanical	Nominal Value	Unit	Test Method
	Tensile Strength <sup>1</sup> (Yield)	17.0	MPa	ASTM D638
Flexural Modulus 720 MPa ASTM D790	Tensile Elongation <sup>2</sup> (Break)	> 700	%	ASTM D638
	Flexural Modulus	720	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Impact Strength <sup>3</sup>	54	J	ARM
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	115	°C	ASTM D1525
Additional Information	Nominal Value	Unit	Test Method
UV Rating <sup>4</sup>	8000	hr	ASTM 2565
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	Impact strength varies with part thickness and moulding conditions. Prototype testing is highly recommended		
4.	50% Retained Tensile Elongation		

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