

## Technical Data Sheet - 3950 KPCS

**Product description:** **3950 KPCS** is a hexene co-polymer LLDPE developed for the rotational moulding process. 3950 KPCS can be supplied as UV stabilised or Non-UV stabilised colour compounds.

**Application:** Small - medium sized water tanks  
Storage bins  
Toys and traffic barriers  
Sanitation & Agriculture products

**Characteristics:** High Stiffness & Impact Strength  
High Rigidity  
Excellent ESCR

**Product Specification:**

Product Specification	Test Method	Test Unit	Value
MFI (190°C @ 2.16kg)	ASTM D1238	g/10min	5.0
Density at 23°C	ASTM D1505	g/cm <sup>3</sup>	0.939
Tensile strength @ Yield	ASTM D638	MPa	20
Elongation @ Break	ASTM D638	%	900
Fexurak Modulus	ASTM D790A	MPa	680
Impact Energy - 40°C	ASTM D5628	J/mm	25
ESCR (F50, 10% Igepal v/v)	ASTM D1693	Hours	>1000
Vicat Softening Poin (10N)	ASTM D1525	°C	119

**Powder Physical Properties:**

Product Specification	Test Method	Test Unit	Value
Dry-Flow	ASTM D1895-96	Sec.	<30
Bulk Density	ASTM D1895	g/cm <sup>3</sup>	>0.33
Average Particle Size	ASTM 1921	microns	<425

**Regulatory Requirements:**

3950 KPCS in its natural, un-coloured state, comply with the FDA: CFR Title 21,177.1520, Olefin Polymers. Regulatory info for specific colour compounds produced may differ, please contact our Technical department for specific regulatory info.

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