Forming and Molding Portfolio



| | | Main Properties | Micro Hardness HV 0,025 | Friction Cœff | Max Service Temp. °C | Color |
|--|-------------|--|-------------------------------|------------------|----------------------------|--------------|
| TiN | TiN | tough & multi purpose | 2300 | 0,5 | 600 | gold |
| | TiN HP | higher toughness & hardness | 2700 | 0,5 | 750 | brown |
| TiCN | TiCN G | very hard & tough | 3400 | 0,3 | 450 | grey |
| | TiCN | hard & very tough | 3100 | 0,3 | 450 | pink |
| | | | | | | |
| CrN | CrN Arc | tough & chemical inert | 2000 | 0,4 | 700 | metal silver |
| | CrN Mag | smooth & corrosion resistant | 1800 | 0,3 | 700 | metal silver |
| | CrNOx | higher hardness, corrosion resistant & tough | 2400 | 0,3 | 700 | metal silver |
| | | | | | | |
| AlTiN /AlCrN based | AlTiN | ductile & uniform abrasive wear | 2800 | 0,5 | 700 | aubergine |
| | HotForm | hot hardness & oxidation resistance, anti sticking | 3100 | 0,5 | 900 | grey |
| | MpC Form | tough, low friction & high oxidation resistance | 3500 | 0,3 | 800 | pink |
| | DeepDraw | better heat resistance, hardness, low stress | 2500 | 0,5 | 800 | metal silver |
| | AluCast | high heat resistance, low thermal conductivity & crack propagation | 3800 | 0,5 | > 1100 | brown |
| Duplex | Duplex Mold | brilliance & increased hardness, lower roughness | up to 1400 | 0,6 | 580 | metal silver |
| DLC based | Cr/DLC | low friction & chemical inert | 2200 | 0,1 | 350 | anthracite |
| | Cr/CrN/DLC | Cr/DLC + corrosion resistance & better hardness | 2200 | 0,1 | 350 | anthracite |
| | | | | | | |
| All coatings opional as DUPLEX COATING | | hot appl> improved thermal fatigue, hot hardness cold appl> improved mechanical fatigue, | | | | |
| | | compressive resistance | | | | |



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